

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

01 March 2013

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

RE: Arkwood Monthly Sampling

SDG Number: 1302284

Enclosed are the results of analyses for samples received by the laboratory on 26-Feb-13 10:35. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals						
Containers Correct	~					
COC/Labels Agree	<u> </u>					
Preservation Confirmed	~					
Received On Ice						
Temperature on Receipt	2.0°C					

Sincerely,

Norma James President

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Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

Project: Arkwood Monthly Sampling

Date Received: 26-Feb-13 10:35

ANALYTICAL RESULTS

Lab Number: 1302284-01
Sample Name: Mouth
Date/Time Collected: 2/24/13 12:05
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	45.3		2/26/13 15:52	A302315	8270D
2,4,6-Tribromophenol [surr]	%	101		2/26/13 15:52	A302315	8270D
2-Fluorophenol [surr]	%	52.1		2/26/13 15:52	A302315	8270D
Phenol-d5 [surr]	%	40.4		2/26/13 15:52	A302315	8270D

ANALYTICAL RESULTS

Lab Number: 1302284-02
Sample Name: Weir
Date/Time Collected: 2/24/13 12:35
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	Result	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	Method
Pentachlorophenol	ug/L	< 1.00		2/26/13 16:14	A302315	8270D
2,4,6-Tribromophenol [surr]	%	81.8		2/26/13 16:14	A302315	8270D
2-Fluorophenol [surr]	%	47.4		2/26/13 16:14	A302315	8270D
Phenol-d5 [surr]	%	35.6		2/26/13 16:14	A302315	8270D

Arkansas Analytical

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Project: Arkwood Monthly Sampling

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 26-Feb-13 13:27 By: TB

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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch A302315 - 3510C Modified										
Blank (A302315-BLK1)				Prepared 8	& Analyzed:	26-Feb-13				
Pentachlorophenol	0.140	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	33.3		"	40.0		83.3	19.3-113			
Surrogate: 2-Fluorophenol	22.3		"	40.0		55.8	<i>13-75.4</i>			
Surrogate: Phenol-d5	18.3		"	40.0		45.7	13.1-75.2			
LCS (A302315-BS1)				Prepared 8	& Analyzed:	26-Feb-13				
Pentachlorophenol	39.0	5.00	ug/L	40.0		97.5	48.5-124			
Surrogate: 2,4,6-Tribromophenol	36.5		"	40.0		91.2	19.3-113			
Surrogate: 2-Fluorophenol	21.4		"	40.0		<i>53.4</i>	13-75.4			
Surrogate: Phenol-d5	18.7		"	40.0		46.8	13.1-75.2			
LCS Dup (A302315-BSD1)				Prepared 8	& Analyzed:	26-Feb-13				
Pentachlorophenol	42.6	5.00	ug/L	40.0		106	48.5-124	8.84	25	
Surrogate: 2,4,6-Tribromophenol	37.1		"	40.0		92.6	19.3-113			
Surrogate: 2-Fluorophenol	23.2		"	40.0		58.0	<i>13-75.4</i>			
Surrogate: Phenol-d5	19.2		"	40.0		48.1	13.1-75.2			
Matrix Spike (A302315-MS1)	Sour	ce: 13022	52-01	Prepared 8	& Analyzed:	26-Feb-13				
Pentachlorophenol	185	25.0	ug/L	200	0.00	92.7	29.2-146			
Surrogate: 2,4,6-Tribromophenol	162		"	200		81.0	19.3-113			
Surrogate: 2-Fluorophenol	81.4		"	200		40.7	13-75.4			
Surrogate: Phenol-d5	78.0		"	200		39.0	13.1-75.2			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President . Arkansas Analytical



11701 Interstate 30, Bldg. 1, Ste. 115 Little Rock, AR 72209

PHONE: 501-455-3233 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION							Project Des	Turnaround Time		Preservation Codes:										
Oxford Environmental & Safety, Inc.							Arkwood Month	24 Hour	I. Cool	4 Degree	es Centigr	atigrade 4. Thiosulfate for Dechlorination						ination		
14348 Nieman Rd.								48 Hour	2. Sulfuric Acid (H2SO4), pH < 2						5. Hydrochloric Acid(HCl)					
Overland Park KS 66221						Reporting Information 72 Hour					3. Nitric Acid (HNO ₃), pH < 2 6. Sodium Hydroxide (NaOH), pH >									- 12
						Telephone: 913-706-3422			Routine (5 Day)			TEST	РА	RAI	MET	ERS	R S Bottle Type Co			e Code
Attn: Jim Fleer							mail: jfleer@oxfo	rdeands.com	Preservative Code:	1	6								G = Glass; P =	= Plastic
i									Bottle Type:	GA								v	/ = Septum; A	\ = Amber
Sampler(s) Signature Sample							. Fleer												Arkans Inalytical Order Nu	I Work
Field	SAMPLEC	OLLECTION						SAMPLE		Pentachlorophenol (8270D)										
The second secon	Mark and Mark and				Number of	Sample	IDENTIF		DIDTION.	ents								1	3022	2811-
Number	Date/s	Time/s	Grab	Comp	Bottles	Matrix	IDENTIF	ICATION/ DESC	RIPTION	4 8		_						_		~0T
	2/24/2013	12:05	X		1	Water	Mouth			Х	+	:10			1		+	_	0	
	2/24/2013	12135	Х		1	Water	Weir			Х									02	•
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													_	_						
1. Relinquished by		Date/Time		2. Re	ceived	by: (S	gnature)	SAMPLE C	ONDITION UPON I		REMARKS / SAMPLE COMMENTS									
Jan 9 m 42/25/2013			2					1. CUSTODY SEA	ALS:	No N	MS/MSD Collected from: ₩€;←									
13:15							2. CONTAINERS	CORRECT:	Ye	s1	NO F	-low	9.1	gem	-	Temp	14.	26 1	4.52	
-1				•	Ot			3. COC/LABELS		Ye	sN				5		olt	6.		6.87
3. Relinquished by: (Signature) Date/Time				4. Re	ceived	by lab:	(Signature)	4. PRESERVATIO		Ye		_No 03Powe=1570 plt _No 05Carc: 17.0 D070:			-		15.3			
	,,	0/01/10	2		,	, ,,,,,,,	1									7 22				
IIDO		426 1	2, Sydnu			5. RECEIVED ON ICE:			1011				Oz Residual: 0.32 ppm Werr Month					٥٣٢٩		
VIT		1030	7		()	1	ims	6. TEMPERATUR	E ON RECEIPT:	40										
Devision 4		[055				0	(110)	FOR	COMPLETION BY	LAB ON	LY	_								
Revision 1 12/1/10																				